

# SIGNAL TRANSMITTING RECEIVING APPARATUS

## Abstract

A signal transmitting/receiving apparatus according to the present invention includes: a transmitting device for transmitting data; a receiving device for receiving the data; a data line for transmitting the data; and a supply line for transmitting a bias voltage for determining a voltage of the data line, wherein the transmitting device and the receiving device are connected to each other through the data line and the supply line, the transmitting device including: a driver circuit for outputting the data to the data line; and a bias generating means for generating the bias voltage and outputting the bias voltage to the supply line, the receiving device including: a terminating resistor connected to the data line; and a receiver circuit for detecting the data from the data line, wherein the data line is connected to the supply line via the terminating resistor.